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By: Nancy Ramos Printed: Nancy Ramos

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Hillman et al.

Title: HUMAN GLUTATHIONE PEROXIDASE-6

Serial No.: To Be Assigned

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Examiner: To Be Assigned

Group Art Unit:

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**Official Draftsman**

Commissioner for Patents

Washington, D.C. 20231

**SUBMISSION OF FORMAL DRAWINGS**

Sir:

Transmitted herewith are Figures 1A, 1B, 1C, and 2, as four (4) sheets of formal drawings for this application. Each sheet of drawing indicates the identifying indicia suggested in 37 CFR Section 1.84(c) on the reverse side of the drawings.

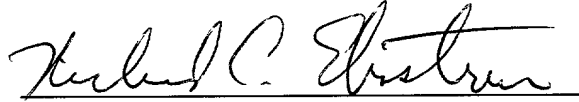
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If there are any questions regarding the above, the Examiner is invited to call the undersigned at 650-843-7352 or 650-621-8581.

Respectfully submitted,

INCYTE GENOMICS, INC.

Date: 16 March 2001

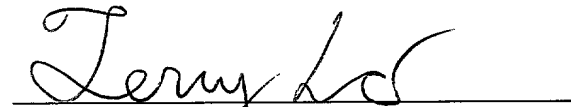


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Limited Recognition (37 C.F.R. § 10.9(b) ) attached

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5' GACG CCG CCA CCT CCG GAA CAA GCC ATG GTG GCG GCG ACG GTG GCA GCG GCG TGG  
10 19 28 37 46 55  
M V A A T V A A A W  
CTG CTC CTG TGG GCT GCG GCC TGC GCG CAG CAG GAC GAC TTC TAC GAC TTC  
64 73 82 91 100 109  
L L L W A A A C A Q Q E Q D F F  
AAG GCG GTC AAC ATC CGG GGC AAA CTG GTG TCG CTG GAG AAG TAC CGC GGA TCG  
118 127 136 145 154 163  
K A V N I R G K L V S L E K Y R G S  
GTG TCC CTG GTG GTG AAT GTG GCC AGC GAG TGC GGC TTC ACA GAC CAG CAC TAC  
172 181 190 199 208 217  
V S L V V N V A S E C G F T D Q H Y  
CGA GCC CTG CAG CAG CTG CAG CGA GAC CTG GGC CCC CAC CAC CAC TTC AAC GTG CTC  
226 235 244 253 262 271  
R A L Q Q L Q R D L G P H H F N V L  
GCC TTC CCC TGC AAC CAG TTT GGC CAA CAG GAG CCT GAC AGC AAC AAC GAG ATT  
280 289 298 307 316 325  
A F P C N Q F G Q Q E P D S N K E I  
GAG AGC TTT GCC TGC CGC ACC TAC AGT GTC TCA TTC CCC ATG TTT AGC AAG ATT  
334 343 352 361 370 379  
E S F A C R T Y S V S F P M F S K I

FIGURE 1A

388	GCA GTC ACC	397	GGT ACT	406	CCT CAT	415	TTC AAG	424	GCC CTG	433	ACT TCT
A V	T G	G T	A H	P A	F K	Y L	A Q	T S			
442	GGG AAG GAG	451	CCC ACC	460	TGG AAC	469	TAC CTA	478	GCC CCA	487	GAT GGA
G K	E P	T W	N F	W K	Y L	V A	P D	G K			
496	GTG GTA GGG	505	GCT TGG	514	GAC CCA	523	GAG GAG	532	AGT AGA	541	CTC CAG
V V	G A	W D	P T	V S	V E	E L	R Q	I			
550	ACA GCG CTC	559	GTG AGG	568	CTC ATC	577	CGA CGA	586	TTA TAA	595	CCA CCG
T A	L V	R K	L I	L L	K R	E D	L				
604	CGT CTC CTC	613	CAC CAC	622	CCG CCG	631	TGT GTG	640	CTG ACC	649	AAT GCA
658	AAC TCA AAT	667	GCT TCA	676	GAG GGA	685	TGA CAC	694	TTC CTT	703	TAC TCT
712	GCC ATT GGT	721	CCC ATC	730	ATT CTT	739	AAA TTC	748	TAT TTT	757	GAT TAT

FIGURE 1B

766	775	784	793	802	811
TTG AAT CTT ACA GCA ACA AAT AGG AAC TCC TGG CCA ATG AGA GCT CTT GAC CAG					
820	829	838	847	856	865
TGA ATC ACC AGC CGA TAC GAA CGT CTT GCC AAC AAA AAT GTG TGG CAA ATA GAA					
874	883	892	901	910	919
GTA TAT CAA GCA ATA ATC TCC CAC CCA AGG CTT CTG TAA ACT GGG ACC AAT GAT					
928	937	946	955	964	973
TAC CTC ATA GGG CTG TTG TGA GGA TTA GGA TGA AAT ACC TGT GAA AGT GCC TAG					
982	991	1000	1009	1018	1027
GCA GTG CCA GCC AAA TAG GAG GCA TTC AAT GAA CAT TTT TTG CAT ATA AAC CAA					
1036	1045	1054	1063	1072	
AAA ATA ACT TGT TAT CAA TAA AAA CTT GCA TCC AAC ATG AAT TTC 3'					

FIGURE 1C

1	M	V	A	A	T	V	A	A	W	L	L	L	W	A	A	C	A	Q	Q	E	Q	D	F	Y	D	F	K	A	1817518		
1	M	C	A	S	R	-	-	D	D	W	-	-	-	-	-	R	C	A	R	S	M	H	E	F	-	-	-	S	A	GI 544432	
31	V	N	I	R	G	K	L	V	S	L	E	K	Y	R	G	S	V	S	L	V	V	N	V	A	S	E	C	G	F	T	1817518
20	K	D	I	D	G	H	M	V	N	L	D	K	Y	R	G	F	V	C	I	V	T	N	V	A	S	Q	C	G	K	T	GI 544432
61	D	Q	H	Y	R	A	L	Q	Q	L	Q	R	D	L	G	P	H	H	F	N	V	L	A	F	P	C	N	Q	F	G	1817518
50	E	V	N	Y	T	Q	L	V	D	L	H	A	R	Y	A	E	C	G	L	R	I	L	A	F	P	C	N	Q	F	G	GI 544432
91	Q	Q	E	P	D	S	N	K	E	I	E	S	F	A	C	R	T	Y	S	V	S	F	P	M	F	S	K	I	A	V	1817518
80	K	Q	E	P	G	S	N	E	E	I	K	E	F	A	A	-	G	Y	N	V	K	F	D	M	F	S	K	I	C	V	GI 544432
121	T	G	T	G	A	H	P	A	F	K	Y	L	A	-	Q	T	S	G	K	E	P	-	-	-	-	T	W	N	F	1817518	
109	N	G	D	D	A	H	P	L	W	K	W	M	K	I	Q	P	K	G	K	G	I	L	G	N	A	I	K	W	N	F	GI 544432
145	W	K	Y	L	V	A	P	D	G	K	V	V	G	A	W	D	P	T	V	S	V	E	E	V	R	L	Q	I	T	A	1817518
139	T	K	F	L	I	D	K	N	G	C	V	V	K	R	Y	G	P	-	-	-	M	E	E	P	L	V	I	E	K	D	GI 544432
175	L	V	R	K	L	I	L	L	K	R	E	D	L																	1817518	
166	L	P	H	Y	F																									GI 544432	

FIGURE 2